



North Idaho College

1000 West Garden Avenue, Coeur d'Alene, ID 83814

Health Professions Divisions

Radiography Technology Associate of Applied Science

Description

(Competitive Admissions Program)

The Radiography Technology associate degree program is a sequence of courses that prepares students for positions in radiology departments and related businesses and industries. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes a combination of didactic and clinical instruction necessary for successful employment. Program graduates receive an associate of applied science degree, have the qualifications of a radiographer, and are eligible to sit for a national certification examination for radiographers.

Employment Opportunities

Graduates of the Radiologic Technology degree program are prepared for responsible positions in hospitals, private clinics, doctors' offices, and other institutions requiring qualified professional personnel.

Accreditation

The Radiography Technology degree program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, IL 60606-3182, Phone 312.704.5300. Email: mail@jrcert.org.

Licensure/Certification

Graduates are eligible to sit for national certification examination administered by the American Registry of Radiologic Technologists (ARRT) and must pass the exam to become a Registered Technologist. All ARRT applicants must meet the minimum ARRT program and degree requirements in addition to code of ethics standards. The ARRT has a published code of ethics and persons who have been convicted of a felony or gross misdemeanor may not qualify to take the national certifying examination. Because of this, there may be an inability of those with such a conviction to work in the profession. If you are concerned that you may have a disqualifying ethics violation, please review the attached links to the ARRT's documents and process for pre-application approval.

Information regarding the Ethics requirement can be found on the ARRT web page:

<http://www.arrrt.org>

[2023 ARRT Standards of Ethics.pdf](#)

[Ethics-Review -Pre-Application.pdf](#)

NIC's Radiography Technology (RADT) Program

Advising Helps

Associate of Applied Science

Special Notes

- This is a competitive-entry program.
- High school diploma or GED is required by the application deadline. Federal regulations require that persons operating x-ray equipment be eighteen years of age or older. Applicants accepted to the program must be eighteen by the program start date.
- Ten students are accepted annually for each fall Semester Program Start. The Program is a two-year AAS program, which consist of 5 semesters a Fall-1, Spring-1, Summer-1, Fall-2, and Spring-2.
- Minimum grades of **B-/2.7** must be earned in each required prerequisite course.
- There is no time expiration for lab science courses.
- While "P" grades meet the minimum prerequisite requirements, no points will be awarded for these grades. To increase competitiveness, an applicant may consider repeating the course to earn a letter grade that meets eligibility for point calculations. A program advisor can provide guidance in these situations.

Application Cycles
Application cycles open during spring semester preceding a program start date. Application cycle deadlines are set to close in mid-May.
<i>All courses below <u>must</u> be completed with a B-/2.7 or higher grade by the application deadline to meet application eligibility.</i>
BIOL 227/BIOL 227 Lab - Human Anatomy and Physiology I
BIOL 228/BIOL 228 Lab - Human Anatomy and Physiology II
CAOT 179 - Medical Terminology
ENGL 101 - Writing and Rhetoric I
COMM 101 - Fundamentals of Oral Communication
Any GEM 3 MATH Course
PSYC 101 - Intro to Psychology
or
SOC 101 - Intro to Sociology

Additional Admissions Information

Interested applicants will be required to complete an academic aptitude assessment and meet minimum program eligibility requirements in order to apply to the program. All program applicants will be required to complete the Test for Essential Academic Skills (TEAS) assessment exam. Information and instructions regarding the assessment exam and process will be included in the Radiography Technology Program application. Applicants may schedule a TEAS test date on NIC's campus or select alternate testing options as outlined in the application. Details including the required TEAS test completion date range and minimum assessment score requirements will be outlined within the program application admission selection criteria. Assessment exam costs are the responsibility of the applicant.

Fall 2024 Radiography Technology Program Application

Radiography Technologist Physical and Technical Standards

Please read the following statements identifying **Physical and Technical Standards** necessary to perform the job of a radiologic technologist. Individuals entering the field are expected to meet these standards with or without reasonable accommodations. After reading through the list, please sign and date your acknowledgement of minimum physical and technical standards and requirements related to the program and profession.

In order to manage the dynamic medical environment that the Radiography Technologist works and learns in, all students in the program must have sufficient strength, motor coordination, manual dexterity, and mental capacity to meet standard requirements within the profession. At a minimum, all Radiography Technology Program students must meet the following requirements:

1. Comprehend reading material at the 11th grade level or beyond.
2. Communicate and assimilate information through various methods of communication including, but not limited to, the spoken word and reading.
3. Gather, analyze, and draw conclusions from data.
4. Stand for a minimum of two hours.
5. Walk for a minimum of six hours, not necessarily consecutively.
6. Stoop, bend, and twist for a minimum of 60 minutes at a time and be able to repeat this activity at frequent intervals.
7. Function without causing harm to self or others if under the influence of prescription or over-the-counter medications.
8. Move, or assist to move, a 50-pound person or assist with a larger person and transfer the person from one location to another, with safety for self, the person, and others.
9. Determine by touch: hotness/coldness, wetness/dryness, and hardness/softness.
10. Use muscle dexterity necessary to do such tasks as gloving, gowning, and operating controls on machinery.
11. Respond to spoken words, monitor signals, call bells, and vital sign assessment equipment.
12. Identify behaviors that would endanger a person's life or safety and intervene quickly in a crisis situation with an appropriate solution.
13. Remain calm, rational, decisive, and in control at all times, especially during emergency situations.
14. Exhibit social skills appropriate to professional interactions.
15. Listen attentively and think critically.
16. Federal regulations require that persons operating x-ray equipment be eighteen years of age or older.

Important Acknowledgement of Vaccination Requirements by Health Care Facilities/Clinical Sites

In order to meet course and program outcomes and receive the Certificate or Associate of Applied Science degree in your chosen Health Professions program and to qualify to take the licensure or certification examinations, *all Health Professions students are required to participate in clinical activities.*

The North Idaho College Health Professions programs utilize health care facilities throughout the region to achieve the external and internal clinical component of the programs. Some, if not all, of the Health Care Facilities providing clinical sites currently (or may in the future) require evidence of vaccinations including the COVID-19 vaccination in order to participate in clinical experiences at their facilities. Below is a list of all vaccinations currently required at facilities.

Any student enrolling in any of our Health Professions programs is informed that the College has no duty and/or obligation to secure a Health Care Facility/Clinical Site that does not require COVID-19 or any other vaccinations as part of the clinical component of the Program. North Idaho College may inquire, on behalf of Students, potential exemptions that Health Care Facilities/Clinical Sites may accept for purposes of Student's election not to obtain a vaccine, including any religious or medical exemption that may be available. All admitted students must recognize and agree that acceptance of such exemption is left to the sole and absolute discretion of the Health Care Facility/Clinical Site and not the college.

Current Vaccination Requirements: (may be altered by healthcare facilities at any time)

- Measles, Mumps, Rubella (MMR)
- Varicella (Chicken pox)
- Hepatitis B
- Annual influenza
- Tetanus/Diphtheria/Pertussis
- COVID-19

If a student does not wish to become vaccinated then NIC may not be able to find placement in an internal or external clinical site.

Courses Required for Program Completion

2024 NIC Radiology Program Advisement MAP					
First Prerequisite Semester					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
MATH 123	Contemporary Math or Higher	3	3	45	
ENG101	English Composition	3	3	45	
BIO-227/227L	Human Anatomy and Physiology I with Cadaver	4	6	90	
	Semester Total	10	12	180	
Second Pre-requisite Semester					
Course Number	Course Name	Credits			
COMM 101	Introduction to Speech Communication	3	3	45	
PSYC 101 or SOC 101	INTRO to Psychology or Sociology	3	3	45	
BIO-228/228L	Human Anatomy and Physiology II with Cadaver	4	6	90	
CAOT-179	Medical Terminology	2	2	30	
	Semester Total	12	14	210	
First Semester FALL 1					
Professional Component:					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
RADT 111/111L	Introduction to Radiology (3 ^{L1} /2 ^{L3})	5	9	135	
RADT 112/112L	Radiographic Procedures I (3 ^{L1} /1 ^{L3})	4	6	90	
RADT 113/113L	Principles of Radiation Biology and Protection (2 ^{L1} /1 ^{L2})	3	4	60	
	Semester Total	12	19	285	
Second Semester SPRING 1					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
RADT 115/115L	Radiologic Physics and Equipment (2 ^{L1} /1 ^{L2})	3	4	60	
RADT 114/114L	Radiographic Procedures II (3 ^{L1} /1 ^{L3})	4	6	90	
RADT 116	Clinical Radiography I (6 ^{L3})	6	18	270	
	Semester Total	13	28	420	
Third Semester Summer 1 10 WEEKS					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
RADT 118/118L	Radiographic Procedures III (3 ^{L1} /1 ^{L3})	4	9	90	
RADT 119	Clinical Radiography II (4 ^{L3})	4	18	180	
	Semester Total	8	27	270	
Forth Semester FALL 2					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
RADT 211/211L	Radiographic Imaging (3 ^{L1} /1 ^{L2})	4	5	75	
RADT 220	Clinical Radiography III (8 ^{L3})	8	24	360	
	Semester Total	12	39	435	
Fifth Semester SPRING 2					
Course Number	Course Name	Credits	Wk. Contact	SM Contact	Semester Completed
RADT 222	Radiologic Technology Review (2 ^{L1})	2	2	30	
RADT 221	Clinical Radiography IV (10 ^{L3})	10	30	450	
	Semester Total	12	32	480	
	Professional Didactic Total	29	NA	630	
	Professional Clinical Total	28	NA	1260	
	Professional Program Total	57	NA	1890	
	Minimum Degree Program Total	79	NA	2280	

Additional Notes

The number of students accepted into the Radiography Technology program is based on the standards set by the Joint Review Committee on Education in Radiologic Technology (JRCERT), which are based on the availability of the program's clinical education settings. A non-discriminatory policy and a pregnancy policy are available upon request. If an applicant is not accepted into the program and wishes to try again, he/she must submit another application and meet all admission criteria with the exception of payment of the application fee.

Readmission Requirements

A student may be readmitted one time only (exception, withdrawal due to crisis). The Health Professions program will readmit students who meet the following eligibility criteria:

1. To be eligible for consideration for readmission the student must:
 - a. Apply within two years of the time of exit. If application for readmission is after the two-year time frame, application to the program must be made as an entering new student.
 - b. Meet program requirements that are in effect at the time of reapplication.
 - c. Follow guidelines for readmission as designated in the readmission procedure.
2. Decision for readmission will be based upon:
 - a. Academic and experiential education performance while enrolled in the program.
 - b. Circumstances surrounding exit from the program.
 - c. Actions taken by the student subsequent to exit to resolve problems and increase their potential for success in the program.
3. Readmission is contingent upon space availability.

Readmission or Transfer to Competitive Admission Programs

A student who successfully completed at least one term of program classes must follow the steps below to request re-admission to the program:

1. Submit a letter requesting readmission to the Program Director.
2. Upon approval from the Program Director and confirmation that there is space available in the class, the student must demonstrate retention of materials/information taught in all successfully completed program coursework.
3. The student will take a written examination covering materials taught in previously taken program coursework. The student must make a grade of B- or better.
4. The student will take Lab Exams covering competencies in the procedures learned in previously taken coursework. The student must make an 80 or better on all Lab Exams. The number of Lab Exams will be determined by the Program Director and represent a reasonable cross-section of the student's prior procedure competencies.

Radiography Technology Degree Curriculum

The curriculum for the Radiography Technology Degree program is designed for the semester system. A student may enter the program fall semester. To graduate, students must earn a minimum of 79 semester credit hours. The professional program component requires a minimum of 57 credits consisting of 1890 contact hours and generally takes 5 semesters to complete. The clinical component of the professional program includes 28 credits consisting of 1260 clinical contact hours spread out over 4 clinical semesters.

Program Costs

Interested program applicants can estimate total program cost by using the cost of attendance tool located on the NIC financial page: [Cost of Attendance - North Idaho College \(nic.edu\)](https://www.nic.edu/cost-of-attendance)

Program cost will vary based on a variety of factors questions concerning tuition and fees can be directed to financial aid for the most current tuition rates. [Tuition and Fees - North Idaho College \(nic.edu\)](https://www.nic.edu/tuition-and-fees)
(Costs are estimates and are subject to change annually.)

Radiography program students may be charged addition fees depending on the course. These fees are updated annually and approved by the Board of Trustees. The table below is the most current breakdown of course fees for all RADT courses.

2023-2024 RADT Student Fees		Course Fee
RADT-111/111L, Introduction to Radiology		\$194.00
RADT-112/112L, Radiographic Procedures I		\$60.00
RADT-113/113L, Principles of Radiation Biology and Protection		\$40.00
RADT-116, Clinical Radiography I		\$260.00
RADT-118/118L, Radiographic Procedures III		\$50.00
RADT-119, Clinical Radiography II		\$60.00
RADT-211/211L, Radiographic Imaging		\$60.00
RADT-220, Clinical Radiography III		\$100.00
RADT-221, Clinical Radiography IV		\$60.00
RADT-222, Radiologic Technology Review		\$225.00
	Total program course fees	\$1,109.00

Clinical Education

Number of main Clinical Sites: 8

Bonner General Hospital, Kootenai Health, Kootenai Outpatient Imaging (CDA), Kootenai Outpatient Imaging (Post Falls), Northwest Specialty Hospital, Newport Hospital and Health Services, Shoshone Medical Center, and Orthopedic surgery and Sports Medicine.

Students are required to travel to assigned clinical sites, some requiring 60 minutes of drive time each way.

Special Requirements of the Clinical Sites

The Radiography Program participates in a multi-state consortium called Clinical Placement Northwest (CPNW) that acts as a clearing house for clinical requirements and documents. Students will be provided information about access to this site upon acceptance. CPNW will outline all clinical requirements that each student must complete. Not all sites utilize the CPNW requirements for clinical clearance, sites not using the CPNW requirements may have additional clinical clearance requirements that students must complete upon scheduling.

Clinical Education Courses

North Idaho College's Radiography Technology Clinical Education provides students with an opportunity for in-depth application and reinforcement of didactic principles and techniques learned in the on-campus classroom. These clinical experiences allow the student to become involved in a professional work situation with technical application, that requires concentration, practice, and follow through. Students may not receive pay from the clinical site for Clinical Education hours. Students are evaluated by the JRCERT approved clinical site preceptors and program faculty during these rotations.

Clinical Assignments

The North Idaho College Radiography Technology Program is affiliated with a diverse group of clinical education settings, including several hospitals, outpatient imaging offices, orthopedic offices, and urgent care clinics located in and around North Idaho. These clinical education settings provide program students with the opportunity and education to prepare for the workplace they will choose to enter after graduation. Each student, upon acceptance into the program, is required to undergo a criminal background check and drug screen satisfying our clinical affiliates rotation requirements. Requirement detail will be provided during program orientation. Interested students can request an appointment with the Student Success Navigator for Health Professions or the Clinical Coordinator to discuss questions.

Students enrolled in the Radiography Technology program will be assigned clinical rotations at our affiliated clinical sites two to three days per week throughout the program. These rotations typically are eight (8) to ten (10) hours per day and total 1260 hours over the 4 clinical semesters. All students will be required to complete some evening and weekend clinical rotations typically not exceeding 25% or the total clinical rotation hours. Students must have access to reliable transportation since some clinical sites are located forty-five minutes to ninety minutes from campus.

Clinical assignment schedules will be distributed to students at the beginning of each semester. Students may not choose the assigned clinical affiliate. Students are required to adhere to the assigned schedule at all times. No personal adjustments will be made to the clinical schedule, except in the case of extreme emergency. Changes in the clinical schedule must be requested in writing to the Clinical Coordinator. Only program faculty can approve changes in the clinical schedule.